

# PDR RID Report

Date Last Modified 3/28/95

Originator Milo Medin

Organization

E Mail Address medin@nsipo.nasa.gov

Document

Phone No 415-604-6440

RID ID	PDR	247
Review	CSMS	
Originator Ref		
Priority	2	

Section

Page

Figure Table

Category Name Design-MSS

Actionee HAIS

Sub Category

Subject RMA analysis

## Description of Problem or Suggestion:

MTBF numbers for equipment with major software components are broken. They do not take into account software crashes and release upgrades. This is a critical item for stringent MDT requirements.

## Originator's Recommendation

Use real operational data from comparable networks and other system configurations. Hardware only numbers from vendors are junk.

GSFC Response by:

GSFC Response Date

HAIS Response by: Forman

HAIS Schedule 2/28/95

HAIS R. E. C. Wheatly

HAIS Response Date 2/28/95

This RID addresses a concern raised that ECS RMA analysis does not use operational data in the determination of MTBF and MDT calculations, and does not take into account software crashes and release upgrades. The calculation of RMA presented at the CSMS PDR is in agreement with the RMA practices agreed with the contractor SOW. No provision for operational or software RMA is required under contract terms for work leading up through CDR. This is due to the general unavailability of software MTBF and MDT data from COTS vendors. During the operational phase, in accordance with the SOW, the required operational availability and mean-down-time will be assessed by analyzing actual software and hardware discrepancies of the ECS subsystems. The ECS contractor is in compliance with the requirements. A change in contractor RMA practices affects all ECS segments and must be initiated through an official change order. No further action is required.

Status **Closed**

Date Closed **3/28/95**

Sponsor **desJardins**

\*\*\*\*\*

Attachment if any

\*\*\*\*\*